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of Sciences USSR

"SONDE FOR MEASURING DENSITY AND TEMPERATURE WHILE
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The present article is a study of the hazards from the global radioactive fallout of continuous atomic bomb tests of 11 megaton TNT equivalent per year. The Sr^{90} concentration in the bones is calculated, as well as the number of incidences of leukemia (blood cancer) and the number of cases of genetic damage. Calculations show that at the end of the century the Sr^{90} concentration in vertebrae may be greater than the official maximum allowable concentration for a large segment of the population, and that each year of continued testing increases by 44,000 number of persons in the world burdened with hereditary disease and by 29,000 the cases of leukemia. (Author)

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